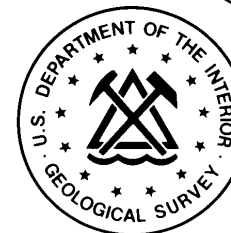


Department
of Interior

EROS Data Center



LPS Acceptance Testing

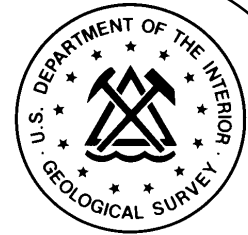
Tom Mittan

29 November 1995

LPS Critical Design Review

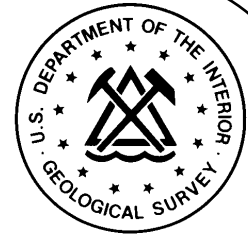
1

Acceptance Test Objective



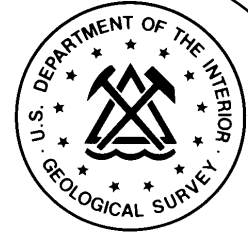
- Verify that the LPS satisfies the LPS System and Software requirements specified in the baselined documentation
 - LPS Functional and Performance Specifications (F&PS)
 - LPS Software Requirements Specifications (SRS)
 - LPS-LGS ICD
 - LPS-ECS ICD
- Ensure that the system is operable.
 - Documentation
 - Training
 - Nominal and non-nominal conditions

Acceptance Test Objective



- Ensure system is maintainable.
 - Documentation
 - Training
- Factory Acceptance Test
 - Comprehensive test performed at GSFC.
- Site Acceptance Test
 - Subset of the factory acceptance test performed at EDC.
- System test
 - End-to-end system test performed at EDC.

Acceptance Test Products



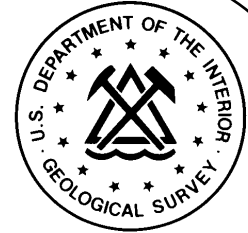
- **LPS Acceptance Criteria**
 - Documents the criteria that the Acceptance Test Plan is written to.
- **Acceptance Test Plan**
 - Documents the plan and requirements for the system verification, validation and acceptance.
- **Test Data Sets**
 - Data needed for each test.
- **Acceptance Test Procedures**
 - Contain detailed procedures for each test.

Acceptance Test Products



- Acceptance Test Reports
 - Contain the results of the Acceptance Tests.
- HDF Output Products
 - Contain the actual output of the tests.

Acceptance Activities



Acceptance test activity

Status

Develop Acceptance Criteria

1/96

Develop Acceptance Test Plan

5/96

Verification Plan

Test Data Requirements

Develop Acceptance Test Procedure

Receipt of

Create Test Scenarios

user guides + 4

Generate Test Data Sets

months

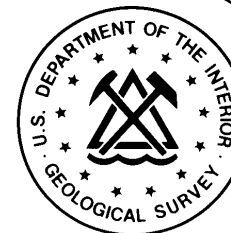
Factory Acceptance Test

3/97

Department
of Interior

EROS Data Center

Acceptance Activities



Acceptance test activity

Status

Site Acceptance Test

8/97

System End-to-End Tests

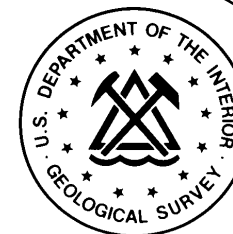
1/98

29 November 1995

LPS Critical Design Review

7

Acceptance Test Tools



<u>Tool</u>	<u>Resource</u>	<u>Status</u>
GTSIM	GFE	L7 Formats
LGS SIM	TBD	TBD
IAS SIM	TBD	TBD
LP DAAC	TBD	TBD